

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for producing a niobium-oxide solid electrolytic capacitor comprising an anode being at least one member selected from niobium monoxide, niobium and an alloy mainly comprising niobium, or a mixture of niobium monoxide with niobium or an alloy mainly comprising niobium, which capacitor is formed by the electrolytic oxidation (electrochemical formation) of the anode; and the method comprising sequentially repeating twice or more a step of exposing a dielectric layer to a temperature of 200 to 1,000°C before formation of a cathode and a step of re-electrochemically forming the dielectric layer.

The niobium solid electrolytic capacitor obtained by the present invention is improved in the leakage current (LC) value after mounting and excellent in reliability.